

SHOCK ABSORBER

ABSTRACT

5 A shock absorber used for absorbing shock energy generated by a vibrator positioned
on a connecting plate is disclosed. The shock absorber has a column, a support plate and
a cover plate. The column has an upper damper, a neck zone, a lower damper and a
through hole. The neck zone is connected to the connecting plate. The cover plate is
positioned above and covered the upper damper and the support plate is located below
the lower damper for holding the column. A cylinder is connected to the support plate
10 via the through hole so as to secure the column and the vibrator with the support plate.
Furthermore, the neck zone has at least one groove to reduce a contacting area between
the neck zone and the connecting plate so as to reduce a horizontal vibration frequency
of the column in a horizontal direction.

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